

Notice of Allowability

Application No.

09/956,911

Examiner

Cheukfan Lee

Applicant(s)

TAKAHASHI, HIROSHI

Art Unit

2627

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to August 5, 2005.
2. ☒ The allowed claim(s) is/are 1-107, now renumbered 1-88, 90-98, 89, and 99-107, respectively.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☒ Certified copies of the priority documents have been received in Application No. 08/565,296.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date 8/5/2005
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


Cheukfan Lee

Art Unit: 2627

1. All pending claims 1-107 are allowed. Claims 105-107 are newly added, which claim subject matter similar to claims 32, 42, and 53, respectively. Claims 1, 11, 22, 32, 42, 53, 63-71, 80, 89, and 105-107 are independent.
2. The Terminal Disclaimer filed February 7, 2005 has been approved on April 26, 2005.
3. The following is an examiner's statement of reasons for allowance:

Claims 1-107 are allowable over the prior art of record, including the prior art references cited by Applicant on August 5, 2005, which are Japanese Application Publication Nos. 06-253113, 63-095776, and 05-130342. The closest prior art JP 63-095776 (Picture Processing Unit Capable of Magnifying and Reducing) and JP 05-130342 (Digital Copying Machine) do not disclose the limitations required by each of the independent claims 1, 11, 22, 32, 42, 53, 63-71, 80, 89, and 105-107 as listed below. JP 63-095776 teaches changing the write start address of a memory in response to the magnification. JP 05-130342 teaches prevention of image data from being omitted by increasing the maximum document size readable based on the residual memory capacity of a memory and reading scale factor.

Claims 1, 11, 71, and 80 each require means for reading an image of a first size of a spread of book pages of a book to create image data when a central binding

Art Unit: 2627

section of the book is aligned to a reference position, and changing a size of the image read by the means for reading from the first size to a second size, before storing and writing to memory. These features in combination with other limitations of any of the claims are not taught by the closest prior art mentioned above.

Claims 22, 32, 42, 53, 65, 67, 89, and 105-107 each require means for reading an image of a spread of book pages and means for changing a size of an image read by the means for reading. These features in combination with other limitations of any of the claims are not taught by the closest prior art mentioned above.

Claims 63 and 64 each require aligning a central binding section of a spread of book pages to a reference position, reading a image of the spread of book pages to create image data, and changing a size of the image read in the reading step. These steps in combination with other limitations of any of claims 63 and 64 are not taught by the closest prior art mentioned above.

Claim 66 requires reading an image of a spread of book pages to create image data and setting a subset of image data to blank data when a memory address of the subset of image data is outside of a prespecified range. These steps in combination with other limitations of claim 66 are not taught by the closest prior art mentioned above.

Claim 68 requires reading an image and creating image data of a spread of book pages from an edge section of one of the book pages, turning to a new page of the

Art Unit: 2627

spread of book pages from an edge section of the new page, and suppressing a memory range for storage of a portion of the image data that corresponds to a portion of the edge section in a side of turning pages. These steps in combination with other limitations of claim 68 are not taught by the closest prior art mentioned above.

Claim 69 requires reading an image of a spread of book pages to create image data of a book, and storing the image data corresponding to a size of two or more pages in a case of maximum allowable page size of a book page document, and at a same time to a size of two maximum allowable pages of the book page document plus a size for a maximum thickness of the book, or less. These features in combination with other limitations of claim 69 are not taught by the closest prior art mentioned above.

Claim 70 requires reading an image and creating image data of a spread of book pages from an edge section of one of the pages, turning a page of a spread of book pages from an edge section of another page that is not the one of the pages, detecting a position for an edge section of an new page in a spread of book pages when the page is turned, before deciding a start point for storing image data of the spread of book pages according to a detecting signal from the detecting step. These steps in combination with other limitations of claim 70 are not taught by the closest prior art mentioned above.

Claims 2-10 depending on claim 1 are allowable for the reason given for claim 1.
Claims 12-21 depending on claim 11 are allowable for the reason given for claim 11.
Claims 23-31 depending on claim 22 are allowable for the reason given for claim 22.
Claims 33-41 depending on claim 32 are allowable for the reason given for claim 32.
Claims 43-52 depending on claim 42 are allowable for the reason given for claim 42.
Claims 54-62 depending on claim 53 are allowable for the reason given for claim 53.
Claims 72-79 depending on claim 71 are allowable for the reason given for claim 71.
Claims 81-88 and 98 depending on claim 80 are allowable for the reason given for claim 80. Claims 90-97 and 99-104 depending on claim 89 are allowable for the reason given for claim 89.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Cheukfan Lee whose telephone number is (571) 272-7407. The examiner can normally be reached on 9:30 a.m. to 6:00 p.m., Mon-Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor (currently unknown) can be reached on (currently unknown). The fax phone

Art Unit: 2627

number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Cheukfan Lee
October 26, 2005

A handwritten signature in black ink, appearing to read "Cheukfan Lee", with a stylized flourish above the name.